

WHAT IS CLAIMED IS:

1. A data backup device connected to a server via a network, comprising:
 - a usable band detector that detects a width of a usable band
 - 5 from an available band of the network, the usable band currently not being used; and
 - a backup controller that
 - determines whether the width of the usable band is wider than a predetermined width, and
 - 10 transmits data of a client to the server through the network to store the data as backup data in the server when the usable band is determined to be wider than the predetermined width.
 2. The data backup device according to claim 1, further comprising:
 - a data identifying unit that identifies a type of data selected from a plurality of types for each of the data stored in the client, wherein the backup controller specifies the type of each of the data identified when transmitting each of the data to the server; and
 - 20 a data restoring unit that
 - receives a request from a user of the client,
 - determines a type of backup data to be obtained from the backup data stored in the server according to the type, based on the request, the type of backup data being one of the types,
 - 25 requests the server to transmit the backup data of the

type determined,

receives the backup data of the type transmitted from the server, and

restores to the client the backup data of the type

5 received.

3. The data backup device according to claim 2, wherein the types are user data, operating system setting data, application information, and other data.

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4. The data backup device according to claim 1, further comprising a data restoring unit that

receives an initial state restore request from a user to restore data of an initial state of the client,

15 requests the server to transmit a difference between the backup data and an initial state master data both stored in the server, and receives the difference from the server to restore the difference to the client.

20 5. The data backup device according to claim 1, further comprising:

a distribution specifying unit that receives distribution information from a user and transmits the distribution information to the server, wherein the distribution information specifies

25 distributed data to be distributed from the backup data

stored in the server to another client via the network,
a time at which the distributed data is to be distributed,
and

5 a destination to which the distributed data is to be
distributed.

6. A backup data management device connected to a client via a
network, comprising:

10 a backup data storage unit that stores data received from the
client through the network as backup data; and
a data distributing unit that distributes data specified by the
client from the backup data to a destination and at a time both specified
by the client.

15 7. The backup data management device according to claim 6,
wherein the backup data storage unit classifies each of the data
according to a type specified by the client.

8. A data backup method comprising:
20 detecting a width of usable band from an available band of a
network, the usable band currently not being used;
determining whether the width of usable band is wider than a
predetermined width; and
transmitting data of a client to a server through the network to
25 store the data as backup data in the server when the width of usable

band is determined to be wider than the predetermined width.

9. The data backup method according to claim 8, further comprising:
 - 5 identifying a type of data selected from a plurality of types for each of the data stored in the client;
 - specifying the type of each of the data identified when transmitting each of the data to the server;
 - receiving a request from a user of the client;
 - determining a type of backup data to be obtained from the
 - 10 backup data stored in the server according to the type, based on the request, the type of backup data being one of the types;
 - requesting the server to transmit the backup data of the type determined;
 - receiving the backup data of the type transmitted from the
 - 15 server; and
 - restoring to the client the backup data of the type received.
10. A computer readable recording medium that stores a computer program including computer executable instructions which when executed by a computer, cause the computer to perform:
 - 20 detecting a width of usable band from an available band of a network, the usable band currently not being used;
 - determining whether the width of usable band is wider than a predetermined width; and
- 25 transmitting data of a client to a server through the network to

store the data as backup data in the server when the width of usable band is determined to be wider than the predetermined width.

11. A data backup system comprising:

5 a server; and

a data backup device connected to the server via a network and including

a usable band detector that detects a width of usable band from an available band of the network, the usable band currently 10 not being used,

a backup controller that determines whether the width of usable band is wider than a predetermined width, and

a transmitter that transmits data through the network to the server to store the data in the server as backup data when the 15 backup controller determines the width of usable band to be wider than the predetermined width.

12. The data backup system according to claim 11, further comprising a memory unit that stores the data, wherein

20 the data backup device further comprises a data identifying unit that identifies a type of data selected from a plurality of types for each of the data stored in the memory unit, and

the transmitter transmits each of the data to the server according to the type identified by the data identifying unit.

13. The data backup system according to claim 12, wherein the data backup device further comprises a data restoring unit that receives a request from a user, determines a type of backup data to be obtained from the 5 backup data stored, based on the request, the type being one of the types, requests the server to transmit the backup data of the type determined, receives the backup data of the type transmitted, and 10 restores to the memory unit the backup data of the type received.

14. The data backup system according to claim 12, wherein the types are user data, operating system setting data, application 15 information, and other data.

15. The data backup system according to claim 11, further comprising a client connected to the network, the client including the backup device. 20

16. The data backup system according to claim 12, wherein the server comprises a backup data storage unit that stores, as the backup data, each of the data transmitted from the backup controller according to the type. 25

17. The data backup system according to claim 15, wherein
the server comprises an initial state storage unit that stores
initial state master data of the client, and
the data backup device further comprises a data restoring unit

5 that

receives an initial state restore request from a user to
restore data of an initial state of the client,
requests the server to transmit a difference between the
backup data and the initial state master data, and
10 receives the difference from the server to restore the
difference to the client.

18. The data backup system according to claim 15, wherein
the client further comprises a distribution specifying unit that
15 receives distribution information from a user and transmits the
distribution information to the server, the distribution information that
specifies distributed data to be distributed from the backup data stored
in the server to another client via the network, a time at which the
distributed data is to be distributed, and a destination to which the
20 distributed data is to be distributed, and
the server further comprises a data distributing unit that
distributes the distributed data from the backup data to the destination
and at the time based on the distribution information.